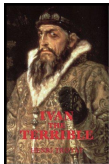


## 2005 Offshore Hurricane Readiness and Recovery Conference

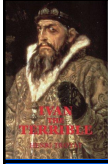
### Pipeline Breakout Session – Report Out

Tom Wicklund  
BP Pipelines NA  
July 27, 2005



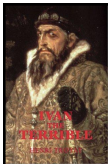
### Observations

1. Failure modes in general were typical, but there were some significant exceptions: large lateral movements and extents and a problem with one crossing
2. Currently available (reported) information on failures is not sufficiently detailed and consistent to understand root causes
3. Mudslides alone may not have caused the major displacements



## Observations (cont'd)

- Coordination of response between companies and agencies was a success
- Sonar techniques worked well for initial assessment
- Pressure test with product was successfully used to assure integrity
- Incremental production loss due to pipeline damage was not necessarily large relative to other causes



## Future Needs

- More accurate and detailed incident reporting
- Joint industry and/or regulatory effort to analyze Ivan failures
- Expand participation in API pipeline team
- Improved post-storm integrity plans
- Changes in standards or regulations???